



ecology and environment, inc.

223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663-9415

International Specialists in the Environmental Sciences

DATE: September 11, 1980

TO: Rene Van Someren

FROM: Rod Bloese *RB*

SUBJECT: Indiana / TDD# F5-8008-12A
Griffith / American Chemical Services, Inc.



On September 9, 1980, an on-site inspection/investigation was conducted at the subject site. The members of the FIT and their corresponding duties were:

- | | |
|--------------------|---------------------------------------|
| 1. Rod Bloese | Team Leader - Hot Line Assistant |
| 2. Jerome Oskvarek | Safety Officer - On-Site Investigator |
| 3. John Angelo | On-Site Investigator |
| 4. Clarence Bieze | Command Post |

We arrived at the American Chemical Services, Inc. (ACS) offices, north of the subject site, at 1000. We met with Mr. James Tarpo of ACS and discussed the site. Mr. Tarpo estimated that up to 20,000 drums may have been disposed at the subject site. Most of the drums were punctured to prevent them from floating in the disposal area. Furthermore, most of the drums were less than one half full when disposed.

The on-site inspection began at 1025 with Jerome Oskvarek, John Angelo, and James Tarpo entering the site. A leachate spring along with stains from past leachate flows were observed along the northeast fill face. Leachate was ponded in a low area adjacent to the northeast fill. Flora around the ponded leachate is damaged up to one (1) foot from the pond. Some drums are also partially exposed along the fill face. Approximately 2 to 3 inches of clayey soil covers the drum burial area. A general refuse dump area envelops the southern part of the drum burial area (see site sketch). The general refuse dump area extends onto the Griffith Municipal Landfill (GM). A trench dug southwest of the ACS site on the GM site is approximately 25 feet below grade and contains liquid which is dumped into the Griffith sewers. Eleven (11) photographs were taken of the ACS and GM landfills.



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000004

At 1055 the metal detection survey commenced. The drum burial area was delineated (see site sketch) and marked off with wood stakes. The actual area as recollected by Mr. Tarpo is larger (see site sketch) due to debris dumped over parts of the drum burial area. The drum burial area as delineated by the metal detector is approximately 130 feet by 50 feet by 150 feet by 80 feet. The inspection/investigation was completed at 1125.

Presently areas of concern for the subject site closure plan

1. groundwater quality,
2. leachate containment,
3. landfill cover, and
4. future land use

are being developed for presentation to USEPA. A meeting with Alan Bauman (USEPA) is scheduled for September 15, 1980 to present findings of the inspection/investigation and discuss areas of concern for site closure.

RB:pr



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223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663-9415

International Specialists in the Environmental Sciences

DATE: September 3, 1980

TO: Rene Van Someren

FROM: Rod Bloese *RTB*

SUBJECT: Indiana / TDD #F5-8008-12A
Griffith/American Chemical Services, Inc.

On August 29, 1980, background information was collected and an off-site reconnaissance was conducted of the subject site. The FIT members were:

1. Rod Bloese
2. Jerry Oskvarek
3. Anne Sause
4. John Angelo


We arrived at the Griffith Town Hall at 0845. We met with Mr. Glen Reyome - Director of Public Works. Mr. Reyome was extremely helpful as he provided us with copies of boring logs of holes drilled on the Griffith Municipal Landfill which is adjacent to the subject site. Furthermore, he provided us with a plat map of the subject area.

We left the Griffith Town Hall at 0915 to conduct an off-site reconnaissance. We arrived at the site area at 0925 and made a windshield survey of the area and drew an area sketch map. The on-foot reconnaissance commenced at 0940. Eight (8) photographs of the area were taken and an off-site sketch was drawn. The temperature was 82°F and the sky was hazy. We departed the Griffith area at 1020.

We arrived at the Lake County Board of Health (LCBH) office near Crown Point at 1100. Mr. Nicholas Doffin informed us that the LCBM had no complaints on file concerning the subject site. The LCBH would like to be contacted when the investigation is completed.

After lunch, the Lake County ASCS and SCS offices in Crown Point were visited. The aerial photograph containing the site is # 18089 173-95 R. A copy of a small aerial photograph and a copy of the Lake County, Indiana soil survey were obtained.

Mr. James Tarpo of American Chemical Services was contacted on September 3, 1980 and a joint field inspection/investigation was planned to be conducted on September 9, 1980

 POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT		REGION 5	SITE NUMBER (to be assigned by HQ)
GENERAL INSTRUCTIONS: Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition (Section II). File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335), 401 M St., SW, Washington, DC 20460.			
I. SITE IDENTIFICATION			
A. SITE NAME <u>INDUSTRIAL CHEMICAL SERVICES</u>		B. STREET (or other identifier) <u>10111 E. INTERSECTION</u>	
C. CITY <u>GRIFFITH</u>	D. STATE <u>INDIANA</u>	E. ZIP CODE <u>46032</u>	F. COUNTY NAME <u>LAMAR</u>
G. SITE OPERATOR INFORMATION			
1. NAME <u>THOMAS THORPE</u>		2. TELEPHONE NUMBER <u>312-921-4375</u>	
3. STREET <u>CLARK STREET</u>	4. CITY <u>GRIFFITH</u>	5. STATE <u>INDIANA</u>	6. ZIP CODE <u>46032</u>
H. REALTY OWNER INFORMATION (if different from operator of site)			
1. NAME		2. TELEPHONE NUMBER	
3. CITY	4. STATE	5. ZIP CODE	
I. SITE DESCRIPTION <u>WASTE STORAGE TANKS - 1000 GALLON EACH - 1000 GALLON EACH</u>			
J. TYPE OF OWNERSHIP			
<input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE			
II. TENTATIVE DISPOSITION (complete this section last)			
A. ESTIMATE DATE OF TENTATIVE DISPOSITION (mo., day, & yr.)		B. APPARENT SERIOUSNESS OF PROBLEM	
		<input type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input type="checkbox"/> 3. LOW <input type="checkbox"/> 4. NONE	
C. PREPARER INFORMATION			
1. NAME		2. TELEPHONE NUMBER	3. DATE (mo., day, & yr.)
III. INSPECTION INFORMATION			
A. PRINCIPAL INSPECTOR INFORMATION			
1. NAME <u>GEROME A. CISKVARIK</u>		2. TITLE <u>ELCOSH DIST</u>	
3. ORGANIZATION <u>ELCOSH DIST</u>		4. TELEPHONE NO. (area code & no.) <u>312-663-9415</u>	
B. INSPECTION PARTICIPANTS			
1. NAME	2. ORGANIZATION	3. TELEPHONE NO.	
<u>THOMAS THORPE</u>	<u>INDUSTRIAL CHEMICAL SERVICES</u>	<u>312-663-9415</u>	
<u>ALAN</u>	<u>INDUSTRIAL CHEMICAL SERVICES</u>	<u>312-663-9415</u>	
<u>ALAN</u>	<u>INDUSTRIAL CHEMICAL SERVICES</u>	<u>312-663-9415</u>	
C. SITE REPRESENTATIVES INTERVIEWED (corporate officials, workers, residents)			
1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS	
<u>THOMAS THORPE</u>	<u>THOMAS THORPE 312-921-4375</u>	<u>10111 E. INTERSECTION, GRIFFITH, IN 46032</u>	

III. INSPECTION INFORMATION (continued)

D. GENERATOR INFORMATION (sources of waste)

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE GENERATED

E. TRANSPORTER/HAULER INFORMATION

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE TRANSPORTED

F. IF WASTE IS PROCESSED ON SITE AND ALSO SHIPPED TO OTHER SITES, IDENTIFY OFF-SITE FACILITIES USED FOR DISPOSAL.

1. NAME	2. TELEPHONE NO.	3. ADDRESS

G. DATE OF INSPECTION
(mo., day, & yr.)

SEPTEMBER 9, 1980

H. TIME OF INSPECTION

1025 TO 1125 AM

I. ACCESS GAINED BY: (credentials must be shown in all cases)

☒ 1. PERMISSION☐ 2. WARRANT

J. WEATHER (describe)

TEMPERATURE 70 TO 75°F; OVERCAST WITH A SLIGHT BREEZY WIND FROM WEST. SITE HAD JUST RECEIVED 0.25 TO 0.50 INCH OF RAIN BEFORE INSPECTION.

IV. SAMPLING INFORMATION

A. Mark 'X' for the types of samples taken and indicate where they have been sent e.g., regional lab, other EPA lab, contractor, etc. and estimate when the results will be available.

1. SAMPLE TYPE	2. SAMPLE TAKEN (mark 'X')	3. SAMPLE SENT TO:	4. DATE RESULTS AVAILABLE
a. GROUNDWATER			
b. SURFACE WATER			
c. WASTE			
d. AIR			
e. RUNOFF			
f. SPILL			
g. SOIL			
h. VEGETATION			
i. OTHER (specify)			

B. FIELD MEASUREMENTS TAKEN (e.g., radioactivity, explosivity, PH, etc.)

1. TYPE	2. LOCATION OF MEASUREMENTS	3. RESULTS
METAL DETECTOR	CENTRAL AREA OF SITE	PUT LIMITATIONS TO THE EXTENT OF LEAD DISPOSAL ON SITE.

IV. SAMPLING INFORMATION (continued)

C. PHOTOS

1. TYPE OF PHOTOS

☒ a. GROUND ☐ b. AERIAL

2. PHOTOS IN CUSTODY OF:

LOCALITY RECORD

D. SITE MAPPED?

☒ YES. SPECIFY LOCATION OF MAPS:

AREA HAS RECORD PLAN 1.11 PLAN 1.12

E. COORDINATES

1. LATITUDE (deg.-min.-sec.)

41° 31' 19"

2. LONGITUDE (deg.-min.-sec.)

72° 51' 22"

V. SITE INFORMATION

A. SITE STATUS

☐ 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)

☒ 2. INACTIVE (Those sites which no longer receive wastes.)

☐ 3. OTHER (specify):
(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

B. IS GENERATOR ON SITE?

☒ 1. NO ☐ 2. YES (specify generator's four-digit SIC Code):

C. AREA OF SITE (in acres)

1.0

D. ARE THERE BUILDINGS ON THE SITE?

☒ 1. NO ☐ 2. YES (specify):

VI. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

<input checked="" type="checkbox"/> A. TRANSPORTER	<input checked="" type="checkbox"/> B. STORER	<input checked="" type="checkbox"/> C. TREATER	<input checked="" type="checkbox"/> D. DISPOSER
1. RAIL	1. PILE	1. FILTRATION	<input checked="" type="checkbox"/> 1. LANDFILL
2. SHIP	2. SURFACE IMPOUNDMENT	2. INCINERATION	2. LANDFARM
3. BARGE	3. DRUMS	3. VOLUME REDUCTION	3. OPEN DUMP
4. TRUCK	4. TANK, ABOVE GROUND	4. RECYCLING/RECOVERY	4. SURFACE IMPOUNDMENT
5. PIPELINE	5. TANK, BELOW GROUND	5. CHEM./PHYS./TREATMENT	5. MIDNIGHT DUMPING
6. OTHER (specify):	6. OTHER (specify):	6. BIOLOGICAL TREATMENT	6. INCINERATION
		7. WASTE OIL REPROCESSING	7. UNDERGROUND INJECTION
		8. SOLVENT RECOVERY	8. OTHER (specify):
		9. OTHER (specify):	

E. SUPPLEMENTAL REPORTS: If the site falls within any of the categories listed below, Supplemental Reports must be completed. Indicate which Supplemental Reports you have filled out and attached to this form.

☐ 1. STORAGE ☐ 2. INCINERATION ☒ 3. LANDFILL ☐ 4. SURFACE IMPOUNDMENT ☐ 5. DEEP WELL
☐ 6. CHEM/BIO/PHYS TREATMENT ☐ 7. LANDFARM ☐ 8. OPEN DUMP ☐ 9. TRANSPORTER ☐ 10. RECYCLOR/RECLAIMER

VII. WASTE RELATED INFORMATION

A. WASTE TYPE

☐ 1. LIQUID ☒ 2. SOLID ☒ 3. SLUDGE ☐ 4. GAS

B. WASTE CHARACTERISTICS

☒ 1. CORROSIVE ☐ 2. IGNITABLE ☐ 3. RADIOACTIVE ☐ 4. HIGHLY VOLATILE
☐ 5. TOXIC ☐ 6. REACTIVE ☐ 7. INERT ☐ 8. FLAMMABLE

9. OTHER (specify):

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

No, Lost 1/14/77

VII. WASTE RELATED INFORMATION (continued)

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE		b. OIL		c. SOLVENTS		d. CHEMICALS		e. SOLIDS		f. OTHER	
AMOUNT		AMOUNT		AMOUNT		AMOUNT		AMOUNT		AMOUNT	
UNKNOWN						UNKNOWN		UNKNOWN			
UNIT OF MEASURE		UNIT OF MEASURE		UNIT OF MEASURE		UNIT OF MEASURE		UNIT OF MEASURE		UNIT OF MEASURE	
<input checked="" type="checkbox"/> (1) PAINT, PIGMENTS		<input checked="" type="checkbox"/> (1) OILY WASTES		<input checked="" type="checkbox"/> (1) HALOGENATED SOLVENTS		<input checked="" type="checkbox"/> (1) ACIDS		<input checked="" type="checkbox"/> (1) FLYASH		<input checked="" type="checkbox"/> (1) LABORATORY, PHARMACEUT.	
(2) METALS SLUDGES		(2) OTHER(specify):		(2) NON-HALOGENATED SOLVENTS		(2) PICKLING LIQUORS		(2) ASBESTOS		(2) HOSPITAL	
(3) POTW			(3) OTHER(specify):		(3) CAUSTICS		(3) MILLING/MINE TAILINGS		(3) RADIOACTIVE		
(4) ALUMINUM SLUDGE				(4) PESTICIDES		(4) FERROUS SMELTING WASTES		(4) MUNICIPAL			
(5) OTHER(specify):				(5) DYES/INKS		(5) NON-FERROUS SMELTING WASTES		(5) OTHER(specify):			
				(6) CYANIDE		(6) OTHER(specify):					
						(7) PHENOLS					
						(8) HALOGENS					
						(9) PCB					
						(10) METALS					
						(11) OTHER(specify):					

D. LIST SUBSTANCES OF GREATEST CONCERN WHICH ARE ON THE SITE (place in descending order of hazard.)

1. SUBSTANCE	2. FORM (mark 'X')			3. TOXICITY (mark 'X')				4. CAS NUMBER	5. AMOUNT	6. UNIT
	a. SOLID	b. LIQ.	c. VAPOR	a. HIGH	b. MED.	c. LOW	d. NONE			

VIII. HAZARD DESCRIPTION

FIELD EVALUATION HAZARD DESCRIPTION: Place an 'X' in the box to indicate that the listed hazard exists. Describe the hazard in the space provided.

☐ A. HUMAN HEALTH HAZARDS

VIII. HAZARD DESCRIPTION (continued)

☐ B. NON-WORKER INJURY/EXPOSURE☐ C. WORKER INJURY/EXPOSURE☐ D. CONTAMINATION OF WATER SUPPLY☐ E. CONTAMINATION OF FOOD CHAIN☒ F. CONTAMINATION OF GROUND WATER

CLERK - FIELD

PUMP TEST IN A IMPROVEMENT

☐ G. CONTAMINATION OF SURFACE WATER

☒ H. DAMAGE TO FLORA/FAUNA

FLORA DAMAGE:

KILLING

1/2 1:1 Feet from

1/2 1:1 Feet from

☐ I. FISH KILL☐ J. CONTAMINATION OF AIR☒ K. NOTICEABLE ODORS

COOL FISH - APPROPRIATE FOR THE 'SUN' COOLING CASE

☒ L. CONTAMINATION OF SOIL

PAPER - LEACHING POND, CONTAMINATED BY LEACHATE WHICH HAS CAUSED STAINING OF THE SURFACE MATERIAL.

☐ M. PROPERTY DAMAGE

☐ N. FIRE OR EXPLOSION☒ O. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID

☐ P. SEWLER, STORM DRAIN PROBLEMS

Q. EROSION PROBLEMS

☒ R. INADEQUATE SECURITY

☐ 5. INCOMPATIBLE WASTES

VIII. HAZARD DESCRIPTION (continued)

☐ T. MIDNIGHT DUMPING

☐ U. OTHER (specify):

IX. POPULATION DIRECTLY AFFECTED BY SITE

A. LOCATION OF POPULATION	B. APPROX. NO. OF PEOPLE AFFECTED	C. APPROX. NO. OF PEOPLE AFFECTED WITHIN UNIT AREA	D. APPROX. NO. OF BUILDINGS AFFECTED	E. DISTANCE TO SITE (specify units)
1. IN RESIDENTIAL AREAS	50	50	32	4 MILE 300 FEET
2. IN COMMERCIAL OR INDUSTRIAL AREAS	50	5	14	WITHIN 300 FEET
3. IN PUBLICLY TRAVELLED AREAS				
4. PUBLIC USE AREAS (parks, schools, etc.)				

X. WATER AND HYDROLOGICAL DATA

A. DEPTH TO GROUNDWATER (specify units) 17-35 Feet (2nd Sand Layer)	B. DIRECTION OF FLOW TOWARD THE SOUTH	C. GROUNDWATER USE IN VICINITY GOLF COURSE
D. POTENTIAL YIELD OF AQUIFER 12-15 GPM	E. DISTANCE TO DRINKING WATER SUPPLY (specify unit of measure) 1/2 MILE	F. DIRECTION TO DRINKING WATER SUPPLY NORTH
G. TYPE OF DRINKING WATER SUPPLY		
<input type="checkbox"/> 1. NON-COMMUNITY < 15 CONNECTIONS <input checked="" type="checkbox"/> 2. COMMUNITY (specify town): CAL - HERR		
<input type="checkbox"/> 3. SURFACE WATER <input checked="" type="checkbox"/> 4. WELL		

X. WATER AND HYDROLOGICAL DATA (continued)

H. LIST ALL DRINKING WATER WELLS WITHIN A 1/4 MILE RADIUS OF SITE

1. WELL	2. DEPTH (specify unit)	3. LOCATION (proximity to population/buildings)	4. NON-COM- MUNITY (mark 'X')	5. COMMUN- ITY (mark 'X')
1"	50'	101 S. Main St.	X	
2"	50'	102 S. Main St.	X	

1. RECEIVING WATER

1. NAME

None

☐ 2. SEWERS

☐ 3. STREAMS/RIVERS

☐ 4. LAKES/RESERVOIRS

☐ 9. OTHER (specify):

6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS

XI. SOIL AND VEGETATION DATA

LOCATION - SITE IS IN N/A

☐ A. YNC. N FAULT ZONE

☐ B. KARST ZONE

☐ C. 100 YEAR FLOOD PLAIN

☐ D. WETLAND☐ E. A REGULATED FLOODWAY☐ F. CRITICAL HABITAT☐ G. RECHARGE ZONE OR SOLE SOURCE AQUIFER

XII. TYPE OF GEOLOGICAL MATERIAL OBSERVED

Mark 'X' to indicate the type(s) of geological material observed and specify where necessary, the component parts.

A. OVERBURDEN		B. BEDROCK (specify below)		C. OTHER (specify below)	
<input checked="" type="checkbox"/>	1. SAND	<input checked="" type="checkbox"/>	EX Sand, Tan to Grey, Medium		
<input checked="" type="checkbox"/>	2. CLAY				
	3. GRAVEL				

XIII. SOIL PERMEABILITY

☐ A. UNKNOWN

☐ B. VERY HIGH (100,000 to 1000 cm/sec.)☐ C. HIGH (1000 to 10 cm/sec.)☐ D. MODERATE (10 to .1 cm/sec.)☒ E. LOW (.1 to .001 cm./sec.)☐ F. VERY LOW (.001 to .00001 cm/sec.)

G. RECHARGE AREA

☐ 1. YES

☒ 2. NO

3. COMMENTS:

H. DISCHARGE AREA

☐ 1. YES☒ 2. NO

3. COMMENTS.

1. SLOPE

1. ESTIMATE β OF SLOPE

2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.

J. OTHER GEOLOGICAL DATA

SITE - A - 1000' N. of 1st Ave., UNDERLAIN BY THE 1000' N. of 1st Ave. -
THIS IS THE 1000' N. of 1st Ave. - 1000' N. of 1st Ave. - 1000' N. of 1st Ave. -
1000' N. of 1st Ave. - 1000' N. of 1st Ave. - 1000' N. of 1st Ave. -

XIV. PERMIT INFORMATION

List all applicable permits held by the site and provide the related information.

A. PERMIT TYPE (e.g., RCRA, State, NPDES, etc.)	B. ISSUING AGENCY	C. PERMIT NUMBER	D. DATE ISSUED (mo., day, & yr.)	E. EXPIRATION DATE (mo., day, & yr.)	F. IN COMPLIANCE (mark 'X')		
					1. YES	2. NO	3. UN- KNOWN

XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

☐ NONE ☒ YES (summarize in this space)

See Section III for information on past regulatory or enforcement actions.

NOTE: Based on the information in Sections III through XV, fill out the Tentative Disposition (Section II) information on the first page of this form.

LANDFILLS SITE INSPECTION REPORT
(Supplemental Report)

INSTRUCTION
Answer and Explain
as Necessary.

1. EVIDENCE OF SITE INSTABILITY (Erosion, Settling, Sink Holes, etc)

☒ YES ☐ NO *EXPOSURE OF DISPOSAL BODY DUE TO EROSION OF TOP SOIL LAYER TO 10' DUMP AREA 10-20'*

2. EVIDENCE OF IMPROPER DISPOSAL OF BULK LIQUIDS, SEMI-SOLIDS AND SLUDGES INTO THE LANDFILL

☐ YES ☒ NO

3. CHECK RECORDS OF CELL LOCATION AND CONTENTS AND BENCHMARK

☐ YES ☒ NO

4. WASTES SURROUNDED BY SORBENT MATERIAL

☐ YES ☒ NO

5. DIVERSION STRUCTURES ARE EFFECTIVELY CONSTRUCTED AND PROPERLY MAINTAINED

☐ YES ☒ NO

6. EVIDENCE OF PONDING OF WATER ON SITE

☒ YES ☐ NO *YES, LEACHATE POND ON NE SIDE OF LEACHATE AREA ON THE SITE.*

7. EVIDENCE OF IMPROPER/INADEQUATE DRAINING

☐ YES ☒ NO

8. ADEQUATE LEACHATE COLLECTION SYSTEM (If "Yes", specify Type)

☐ YES ☒ NO

SURFACE LEACHATE SPRING

☒ YES ☐ NO *DO NOT STICK IN DUMP AREA*

9. RECORDS OF LEACHATE ANALYSIS

☒ YES ☐ NO *NO RECORDS AVAILABLE*

10. GAS MONITORING

☐ YES ☒ NO

11. GROUNDWATER MONITORING WELLS

☐ YES ☒ NO

12. ARTIFICIAL MEMBRANE LINER INSTALLED

☐ YES ☒ NO

13. SPECIFIC CONTAINMENT MEASURES (Clay Bottom, Sides, etc)

☐ YES ☒ NO *BUT TO BE DETERMINED*

14. FIXATION (Stabilization) OF WASTE

☐ YES ☐ NO

15. ADEQUATE CLOSURE OF INACTIVE PORTION OF FACILITY

☐ YES ☒ NO

COVER (Type)

SOME CLAY LAYER APPLIED TO TOP OF CELL TO PREVENT WIND-EROSION

16a. THICKNESS

VARIABLE DUE TO EROSION, 0 TO 2 FEET

16b. PERMEABILITY

UNKNOWN

16c. DAILY APPLICATION

☐ YES ☐ NO *NO APPLICATION*

AMERICAN
SAFETY'S STORAGE
SITE

SPENCER, INDIANA
SEPTEMBER 9, 1980

APPROXIMATE AREA
OF MAIN DRUM STORAGE
AS DETERMINED BY
METAL DETECTOR

POSSIBLE OUTER LIMITS
OF DRUM STORAGE

PHOTO SITE AND
DIRECTION

JDC

GRIFFITH
CITY
LANDFILL

GRIFFITH
CITY
LANDFILL

DEBRIS
DUMP

DRUM RECYCLING AND
STORAGE FACILITY

BUILDING

GRIFFITH CITY LANDFILL

BUILDING

POWER CABLE CHANNELS
SERVICES PLANT

CHESAPEAKE AND OHIO RAILROAD

BUILDING

ACCESS ROAD

TREES AND SCRUBBERY

TREES AND
SCRUBBERY

LEACHATE
SPRING

LEACHATE
POND

QUARRIED
SAND PIT

BERM
FOR THE
STORAGE
AREA

BUILDING

TRUCK
TRAILER
STORAGE

TRUCK BERM
COLFAX
AVENUE

NORTH

RESIDENTIAL

INDUSTRIAL SITES